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What is claimed is:

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1. A method of utilizing code division multiple access in modulated reflectance transmissions comprising the steps of:

- generating a phase-modulated reflectance data bit stream;
- coding said phase-modulated reflectance data bit stream to increase its bit
- 15 rate;
- providing said modified phase-modulated reflectance data bit stream to a switch that connects an antenna to an infinite impedance in the event a "1" is to be sent, or connects said antenna to ground in the event a "0" is to be sent.

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2. The method as described in Claim 1 further comprising the step of controlling output of said match switch by selectively passing said output through at least one power splitter before said output is passed to said antenna.

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3. The method as described in Claim 1, wherein said at least one power splitter is one power splitter.

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4. Apparatus for utilizing code division multiple access in modulated reflectance transmissions comprising:

- a modulated reflectance unit generating a phase-modulated data bit stream at a pre-selected rate;
- a coder receiving said data bit stream for modifying said phase-modulated data bit stream and increasing said pre-selected rate; and

5 a switch receiving said modified phase-modulated data bit stream and
connecting an antenna to an infinite impedance "1" is to be sent, and
connecting said antenna to ground if a "0" is to be sent.

10 5. The apparatus as described in Claim 4, further comprising a power
splitter for controlling said output of said switch by passing said output to at
least one power splitter before it is passed to said antenna.

15 6. The apparatus as described in Claim 5, wherein said at least one
power splitter is one power splitter.

20 7. A method of utilizing code division multiple access in modulated
reflectance transmissions comprising the steps of:
 generating a phase-modulated reflectance data bit stream;
 converting said phase-modulated reflectance data bit stream to bipolar
25 states of "+1s" and "-1s;"
 generating square waves;
 multiplying said square waves with said bipolar states
 providing said multiplication to a switch that connects an antenna to an
infinite impedance in the event a "+1" is to be sent, or connects said antenna to
25 ground in the event a "-1" is to be sent.

30 8. Apparatus for utilizing code division multiple access in modulated
reflectance transmissions comprising:
 square wave generation means for outputting square waves;
 a modulated reflectance unit generating a phase-modulated reflectance
data bit stream;
 convertor means for converting said phase-modulated reflectance data bit
stream to bipolar states of "+1" and "-1;"

5 multiplication means for multiplying together said square waves and said
bipolar states; and

 a switch receiving said multiplication for connecting an antenna to an
infinite impedance in the event a "+1" is quod to be sent, and to ground in the
event a "-1" is quod to be sent.

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